

ABSTRACT OF THE DISCLOSURE

Reduction of noise is achieved by devising an arrangement of heat generating parts such as a light bulb element, an electric power source, a light source, etc. and an arrangement of cooling fans. In cooling the light source, the electric power source and liquid crystal panels, a cooling wind path for the liquid crystal panels and the electric power source is made separate from and independent of a cooling wind path for the light source that generates much heat, a cooling air volume is optimized for the respective cooling wind paths, and noise accompanying the rotation of the cooling fans is reduced. Also, by arranging the cooling fans substantially centrally of the respective cooling wind paths, that volume of noise, which leaks from air intake ports and air exhaust port that are opened to a housing of a unit, is reduced.